

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1245244

Luminaire Tested: PRLX-NIM-S-930-12L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245244
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-S-930-12L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

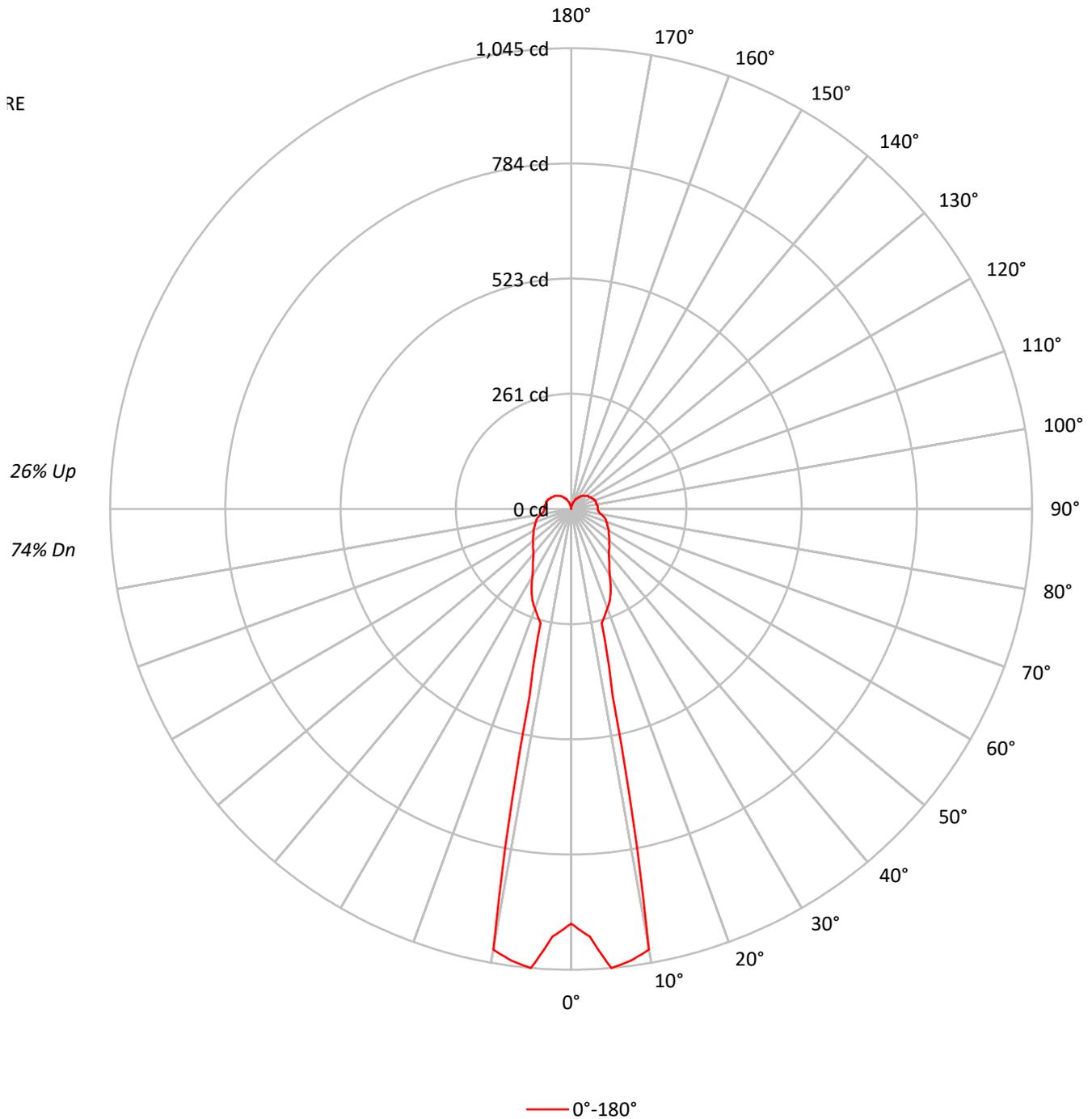
Lumens per Lamp: N/A
Luminaire Lumens: 1117.0 lumens
Efficiency: N/A
Efficacy: 38.6 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 28.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|--|----|----|----|--|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | | | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 | | |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | | 50 | 30 | 10 | | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 113 | 113 | 113 | 113 | 107 | 107 | 107 | 107 | 96 | 96 | 96 | | 87 | 87 | 87 | | 78 | 78 | 78 | 74 |
| 1 | 101 | 96 | 91 | 87 | 96 | 91 | 87 | 83 | 82 | 79 | 76 | | 74 | 71 | 69 | | 66 | 64 | 62 | 58 |
| 2 | 92 | 84 | 77 | 71 | 87 | 80 | 73 | 68 | 72 | 67 | 63 | | 65 | 61 | 57 | | 58 | 55 | 52 | 49 |
| 3 | 85 | 74 | 66 | 60 | 80 | 71 | 64 | 58 | 64 | 58 | 53 | | 58 | 53 | 49 | | 52 | 48 | 45 | 42 |
| 4 | 78 | 67 | 58 | 52 | 74 | 64 | 56 | 50 | 58 | 52 | 47 | | 52 | 47 | 43 | | 47 | 43 | 40 | 37 |
| 5 | 72 | 60 | 52 | 46 | 69 | 58 | 50 | 44 | 53 | 46 | 41 | | 48 | 43 | 39 | | 44 | 39 | 36 | 33 |
| 6 | 68 | 55 | 47 | 41 | 64 | 53 | 45 | 40 | 48 | 42 | 37 | | 44 | 39 | 35 | | 41 | 36 | 33 | 30 |
| 7 | 63 | 51 | 43 | 37 | 60 | 49 | 41 | 36 | 45 | 39 | 34 | | 41 | 36 | 32 | | 38 | 33 | 30 | 28 |
| 8 | 59 | 47 | 39 | 34 | 56 | 45 | 38 | 33 | 42 | 36 | 31 | | 39 | 33 | 30 | | 36 | 31 | 28 | 26 |
| 9 | 56 | 44 | 36 | 31 | 53 | 42 | 35 | 30 | 39 | 33 | 29 | | 36 | 31 | 27 | | 34 | 29 | 26 | 24 |
| 10 | 53 | 41 | 34 | 29 | 51 | 40 | 33 | 28 | 37 | 31 | 27 | | 34 | 29 | 26 | | 32 | 28 | 24 | 23 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|-------|
| | 0° |
| 0° | 29757 |
| 5° | 29368 |
| 10° | 25823 |
| 15° | 6269 |
| 20° | 5231 |
| 25° | 4355 |
| 30° | 3439 |
| 35° | 2855 |
| 40° | 2438 |
| 45° | 2207 |
| 50° | 1999 |
| 55° | 1845 |
| 60° | 1743 |
| 65° | 1616 |
| 70° | 1535 |
| 75° | 1463 |
| 80° | 1320 |
| 85° | 1255 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2207 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 97.5 | 8.7 |
| 10°-20° | 103.4 | 9.3 |
| 20°-30° | 96.3 | 8.6 |
| 30°-40° | 94.9 | 8.5 |
| 40°-50° | 94.6 | 8.5 |
| 50°-60° | 94.1 | 8.4 |
| 60°-70° | 90.6 | 8.1 |
| 70°-80° | 82.5 | 7.4 |
| 80°-90° | 68.7 | 6.1 |
| 90°-100° | 65.6 | 5.9 |
| 100°-110° | 61.5 | 5.5 |
| 110°-120° | 54.0 | 4.8 |
| 120°-130° | 44.1 | 3.9 |
| 130°-140° | 32.8 | 2.9 |
| 140°-150° | 21.2 | 1.9 |
| 150°-160° | 11.0 | 1.0 |
| 160°-170° | 3.8 | 0.3 |
| 170°-180° | 0.4 | 0.0 |
| 0°-30° | 297.3 | 26.6 |
| 0°-40° | 392.1 | 35.1 |
| 0°-60° | 580.7 | 52.0 |
| 0°-90° | 822.5 | 73.6 |
| 90°-120° | 181.2 | 16.2 |
| 90°-150° | 279.3 | 25.0 |
| 90°-180° | 294.0 | 26.3 |
| 0°-180° | 1117.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|------|------|------|
| 0° | 941 | |
| 5° | 1045 | 98 |
| 15° | 268 | 103 |
| 25° | 212 | 96 |
| 35° | 151 | 95 |
| 45° | 123 | 95 |
| 55° | 105 | 94 |
| 65° | 91 | 91 |
| 75° | 79 | 83 |
| 85° | 62 | 52 |
| 90° | 60 | 33 |
| 95° | 60 | 49 |
| 105° | 58 | 62 |
| 115° | 54 | 54 |
| 125° | 48 | 44 |
| 135° | 42 | 33 |
| 145° | 34 | 21 |
| 155° | 24 | 11 |
| 165° | 12 | 4 |
| 175° | 2 | 0 |
| 180° | 0 | |

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CANDELA DISTRIBUTION (FULL):

| 0° | |
|--------|--------|
| 0° | 940.6 |
| 2.5° | 970.9 |
| 5° | 1045.4 |
| 7.5° | 1033.3 |
| 10° | 1015.2 |
| 12.5° | 435.1 |
| 15° | 267.9 |
| 17.5° | 253.8 |
| 20° | 239.7 |
| 22.5° | 227.6 |
| 25° | 211.5 |
| 27.5° | 193.4 |
| 30° | 175.2 |
| 32.5° | 161.1 |
| 35° | 151.1 |
| 37.5° | 141.0 |
| 40° | 132.9 |
| 42.5° | 126.9 |
| 45° | 122.9 |
| 47.5° | 116.8 |
| 50° | 112.8 |
| 52.5° | 108.8 |
| 55° | 104.7 |
| 57.5° | 100.7 |
| 60° | 98.7 |
| 62.5° | 94.7 |
| 65° | 90.6 |
| 67.5° | 88.6 |
| 70° | 84.6 |
| 72.5° | 82.6 |
| 75° | 78.6 |
| 77.5° | 74.5 |
| 80° | 68.5 |
| 82.5° | 64.5 |
| 85° | 62.4 |
| 87.5° | 60.4 |
| 90° | 60.4 |
| 92.5° | 60.4 |
| 95° | 60.4 |
| 97.5° | 60.4 |
| 100° | 58.4 |
| 102.5° | 58.4 |
| 105° | 58.4 |
| 107.5° | 58.4 |
| 110° | 56.4 |

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CANDELA DISTRIBUTION (continued):

| | 0° |
|--------|------|
| 112.5° | 56.4 |
| 115° | 54.4 |
| 117.5° | 52.4 |
| 120° | 52.4 |
| 122.5° | 50.4 |
| 125° | 48.3 |
| 127.5° | 48.3 |
| 130° | 46.3 |
| 132.5° | 44.3 |
| 135° | 42.3 |
| 137.5° | 40.3 |
| 140° | 38.3 |
| 142.5° | 36.3 |
| 145° | 34.2 |
| 147.5° | 30.2 |
| 150° | 28.2 |
| 152.5° | 26.2 |
| 155° | 24.2 |
| 157.5° | 20.1 |
| 160° | 18.1 |
| 162.5° | 16.1 |
| 165° | 12.1 |
| 167.5° | 10.1 |
| 170° | 8.1 |
| 172.5° | 4.0 |
| 175° | 2.0 |
| 177.5° | 0.0 |
| 180° | 0.0 |



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CIE UGR TABLE:

| Reflectances: | | | | | | | | | | | |
|-----------------|------|------------------|------|------|------|------|----------------|------|------|------|------|
| Ceiling | | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Wall | | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Reference plane | | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room Dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H | Y=2H | 10.7 | 11.8 | 11.4 | 12.6 | 13.4 | 10.7 | 11.8 | 11.4 | 12.6 | 13.4 |
| | 3H | 13.0 | 14.0 | 13.7 | 14.8 | 15.7 | 13.0 | 14.0 | 13.7 | 14.8 | 15.7 |
| | 4H | 14.1 | 15.0 | 14.8 | 15.8 | 16.7 | 14.1 | 15.0 | 14.8 | 15.8 | 16.7 |
| | 6H | 15.0 | 16.0 | 15.8 | 16.7 | 17.7 | 15.0 | 16.0 | 15.8 | 16.7 | 17.7 |
| | 8H | 15.4 | 16.3 | 16.2 | 17.1 | 18.1 | 15.4 | 16.3 | 16.2 | 17.1 | 18.1 |
| | 12H | 15.9 | 16.7 | 16.6 | 17.5 | 18.5 | 15.9 | 16.7 | 16.6 | 17.5 | 18.5 |
| 4H | 2H | 11.3 | 12.3 | 12.0 | 13.0 | 14.0 | 11.3 | 12.3 | 12.0 | 13.0 | 14.0 |
| | 3H | 13.8 | 14.6 | 14.6 | 15.4 | 16.4 | 13.8 | 14.6 | 14.6 | 15.4 | 16.4 |
| | 4H | 15.0 | 15.8 | 15.8 | 16.6 | 17.6 | 15.0 | 15.8 | 15.8 | 16.6 | 17.6 |
| | 6H | 16.1 | 16.8 | 16.9 | 17.7 | 18.6 | 16.1 | 16.8 | 16.9 | 17.7 | 18.6 |
| | 8H | 16.7 | 17.3 | 17.5 | 18.1 | 19.1 | 16.7 | 17.3 | 17.5 | 18.1 | 19.1 |
| | 12H | 17.2 | 17.8 | 18.0 | 18.6 | 19.6 | 17.2 | 17.8 | 18.0 | 18.6 | 19.6 |
| 8H | 4H | 15.4 | 16.1 | 16.2 | 16.9 | 17.9 | 15.4 | 16.1 | 16.2 | 16.9 | 17.9 |
| | 6H | 16.7 | 17.3 | 17.5 | 18.1 | 19.1 | 16.7 | 17.3 | 17.5 | 18.1 | 19.1 |
| | 8H | 17.3 | 17.8 | 18.2 | 18.7 | 19.7 | 17.3 | 17.8 | 18.2 | 18.7 | 19.7 |
| | 12H | 18.0 | 18.5 | 18.9 | 19.3 | 20.4 | 18.0 | 18.5 | 18.9 | 19.3 | 20.4 |
| 12H | 4H | 15.5 | 16.1 | 16.3 | 16.9 | 17.9 | 15.5 | 16.1 | 16.3 | 16.9 | 17.9 |
| | 6H | 16.8 | 17.3 | 17.7 | 18.2 | 19.2 | 16.8 | 17.3 | 17.7 | 18.2 | 19.2 |
| | 8H | 17.5 | 18.0 | 18.4 | 18.8 | 19.9 | 17.5 | 18.0 | 18.4 | 18.8 | 19.9 |

(END OF REPORT)